

AMENDMENTS TO THE CLAIMS

The following is a complete listing of revised claims with a status identifier in parenthesis.

LISTING OF CLAIMS

1. (Currently Amended) A computer readable-recording medium having a data structure for managing reproduction of data recorded therein, comprising:
a lead-in area storing copy protection indicating information indicating whether or not the recording-computer readable medium contains copy protection information for use in encrypting/decrypting data, wherein the copy protection indicating information and/or and the copy protection information [[are]]being recorded in wobbled patterns on an area of the recording medium, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein
the copy protection indicating information is included within control information recorded in the lead-in area of the computer readable medium.
2. Cancelled.
3. (Currently Amended) The recording-computer readable medium according to claim [[2]]1, wherein the copy protection indicating information signifies to a reproducing apparatus to reproduce the data directly without utilizing the copy protection information the recording medium does not contain copy protection information for use in encrypting/decrypting the data if

the copy protection indicating information indicates the ~~recording~~computer readable ~~recording~~ medium does not contain copy protection information.

4. (Currently Amended) The ~~recording~~computer readable medium according to claim [[2]]1, wherein ~~the recording medium does not contain copy protection information for use in encrypting/decrypting the data~~ the copy protection indicating information signifies to a reproducing apparatus to reproduce the data based on the copy protection information if the copy protection indicating information indicates the ~~recording~~computer readable medium contains copy protection information, ~~but a value of the copy protection information indicates that copy protection information is not present.~~

5. Cancelled.

6. Cancelled.

7. (Currently Amended) A method of forming an area of a recording medium, comprising:

forming a recordable area for storing data;

forming ~~[[an]]a~~ portion of a lead-in area on the recording medium for storing copy protection indicating information indicating whether or not the recording medium contains copy protection information for use in

encrypting/decrypting the [[d]]data, ~~wherein~~ the copy protection indicating information ~~and/or~~ and the copy protection information [[are]] being formed as wobbled patterns ~~on an area of the recording medium,~~ the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in the lead-in area of the recording medium.

8. Cancelled.

9. Cancelled.

10. Cancelled.

11. Cancelled.

12. (Previously Presented) The method according to claim 7, wherein the copy protection indicating information and/or the copy protection information are recorded by a phase modulated method.

13. (Currently Amended) A method of reproducing data from a recording medium, comprising:

utilizing copy protection indicating information, ~~to indicate~~ indicating whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, to reproduce the data, ~~wherein~~ the copy protection indicating information ~~and/or~~ and the copy protection information ~~[[are]]being recorded in wobbled patterns on an area of the recording medium,~~ the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium.

14. (Previously Presented) The method according to claim 13, further comprising reproducing the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or reproducing the data directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in encrypting/decrypting the data.

15. (Previously Presented) The method according to claim 14, wherein the reproducing includes detecting bi-phased modulated data and detecting the copy protection information using the bi-phased modulated data if the

recording medium contains copy protection information for use in encrypting/decrypting the data based on the copy protection indicating information.

16. (Previously Presented) The method according to claim 14, wherein the reproducing includes (i) checking whether the copy protection indicating information is detected, (ii) reproducing data directly if the copy protection indicating information is not detected, and (iii) reproducing data utilizing the copy protection information if the copy protection indicating information is detected.

17. (Previously Presented) The method according to claim 16, wherein the (iii) further includes (iii') determining whether the copy protection indicating information is active if the copy protection indicating information is detected, (iii'') reproducing data directly if the copy protection indicating information is not active, and (iii''') detecting the copy protection information and reproducing the data utilizing the detected copy protection information if the copy protection indicating information is active.

18. (Previously Presented) The method according to claim 17, wherein in (iii''') said reproducing includes decrypting the data utilizing the copy protection information.

19. (Currently Amended) A method for playing data of a recording medium, comprising:

detecting copy protection indicating information indicating whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, ~~wherein~~ the copy protection indicating information ~~and/or~~ and the copy protection information ~~[[are]]being recorded in wobbled patterns on an area of the recording medium, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein~~

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium; and

playing the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or playing the data directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in decrypting the data, based on the detected copy protection indicating information.

20. (Previously Presented) The method according to claim 19, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium does not contain copy protection information.

21. (Previously Presented) The method according to claim 19, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium contains copy protection information, but a value of the copy protection information indicates that copy protection information is not present.

22. (Previously Presented) The method according to claim 19, wherein the recording medium contains copy protection information for use in encrypting/decrypting the data when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection information is present.

23. (Original) The method according to claim 22, wherein said playing includes decrypting the data utilizing the copy protection information.

24. (Currently Amended) A method of recording data on a recording medium, comprising:

utilizing copy protection indicating information to indicate whether or not the recording medium contains copy protection information for use in

encrypting/decrypting the data, ~~wherein~~ the copy protection indicating information ~~and/or~~ and the copy protection information are recorded in wobbled ~~pattern~~ pattern on an area of the recording medium, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium; and

recording the data based on the copy protection information.

25. (Previously Presented) The method according to claim 24, wherein the data may be recorded utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or the data may be recorded directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in encrypting/decrypting the data.

26. (Previously Presented) The method according to claim 25, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium does not contain copy protection information, wherein the recording records the data without encryption.

27. (Previously Presented) The method according to claim 25, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium contains copy protection information, but a value of the copy protection information indicates that copy protection information is not present, wherein the recording records the data without encryption.

28. (Previously Presented) The method according to claim 25, wherein the recording medium contains copy protection information for use in encrypting/decrypting the data when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection information is present, wherein the recording records the data encrypted utilizing the copy protection information.

29. (Previously Presented) The method according to claim 28, wherein encrypting the data utilizing the copy protection information precedes recording of the data.

30. (Currently Amended) An apparatus for reproducing data from a recording medium, said apparatus utilizing copy protection indicating

information to determine whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, to reproduce the data based on the copy protection indicating information and the copy protection information, ~~wherein the copy protection indicating information and/or and~~ the copy protection information [[are]]being recorded in wobbled pattern-patterns on an area of the recording medium, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium.

31. (Previously Presented) The apparatus according to claim 30, wherein said apparatus reproduces the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or reproduces the data directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in decrypting the data.

32. (Previously Presented) The apparatus according to claim 31, wherein said apparatus reproduces the data directly if the copy protection indicating information indicates the recording medium does not contain copy protection information.

33. (Previously Presented) The apparatus according to claim 31, wherein said apparatus reproduces the data directly if the copy protection indicating information indicates the recording medium contains copy protection information, but a value of the copy protection information indicates that copy protection information is not present.

34. (Previously Presented) The apparatus according to claim 31, wherein said apparatus reproduces the data with the copy protection information when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection information is present.

35. (Original) The apparatus according to claim 34, wherein said apparatus decrypts the data utilizing the copy protection information.

36. (Currently Amended) An apparatus for reproducing data from a recording medium, comprising:

a detector configured to detect ~~detecting~~-signals recorded on the recording medium, the ~~signal~~-signals including copy protection indicating information to determine whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, ~~wherein the~~

copy protection indicating information ~~and/or~~ and the copy protection information ~~[[are]]~~ being recorded in wobbled ~~patterns~~ pattern ~~on an area of the recording medium,~~ the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium; and

a signal processor configured to process ~~for playing~~ the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or process ~~playing~~ the data directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in decrypting the data based on the copy protection indicating information.

37. (Previously Presented) The apparatus according to claim 36, wherein said signal processor processes the data directly if the copy protection indicating information indicates the recording medium does not contain copy protection information.

38. (Previously Presented) The apparatus according to claim 36, wherein said signal processor processes the data directly if the copy protection indicating information indicates the recording medium contains copy

protection information, but a value of the copy protection information indicates that copy protection information is not present.

39. (Previously Presented) The apparatus according to claim 36, wherein said signal processor processes the data utilizing the copy protection information when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection information is present.

40. (Original) The apparatus according to claim 39, wherein said signal processor decrypts the data utilizing the copy protection information.

41. Cancelled.

42. Cancelled.

43. Cancelled.

44. Cancelled.

45. Cancelled.

46. Cancelled.

47. Cancelled.

48. Cancelled.